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INFORMATION TO INVESTIGATORS, P. D.  
DIVISION OF NORTHERN JOURNALISM

## NORTHERN REGIONAL RESEARCH CENTER

# PUBLICATIONS AND PATENTS

January-December 1985

Agricultural Research Service  
U.S. DEPARTMENT OF AGRICULTURE

U. S. DEPARTMENT OF AGRICULTURE  
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## REQUEST FOR INFORMATION

Results of research investigations at the Northern Regional Research Center are published regularly in the technical literature, and public service patents are secured to cover patentable inventions and discoveries (see pages 34-35). As a convenient guide to our publications and patents, a list is published annually. Further information on any of the developments, as well as earlier technical papers, may be obtained by writing us.

In conformance with the policy of the U.S. Department of Agriculture, Northern Center publications are available to scientists and other specialists, librarians, representatives of the press, and others interested.

Requests for specific reprints should be by number and addressed to the Northern Regional Research

Center. Those titles marked with an asterisk [\*] are not available at the Northern Center for distribution.

Most of the publications are in journals that are available in libraries. Photographic copies of most journal articles on research at this Center can be purchased from the National Agricultural Library of the U.S. Department of Agriculture, Beltsville, Maryland 20705.

No publications will be sent regularly in response to foreign requests unless exchange arrangements have been made with the Director of the National Agricultural Library.

Copies of previous lists of publications and patents are available upon request.

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 Colorado State University, Fort Collins, CO 80523

## PATENTS

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Production of Defatted Soybean Products by Supercritical Fluid Extraction  
John P. Friedrich and Arthur C. Eldridge  
U. S. Patent 4,493,854

Production of Food-Grade Corn Germ Product by Supercritical Fluid Extraction  
Donald D. Christianson and John P. Friedrich  
U. S. Patent 4,495,207

Microemulsions from Vegetable Oil and Aqueous Alcohol with 1-Butanol Surfactant as Alternative Fuel for Diesel Fuels  
Arthur W. Schwab and Everett H. Pryde  
U. S. Patent 4,526,586

Sesbanimide and the Use of Thereof in Treating Leukemic Tumors  
Richard G. Powell and Cecil R. Smith, Jr.  
U. S. Patent 4,532,327

Microemulsions from Vegetable Oil and Lower Alcohol with Octanol Surfactant as Alternative Fuel for Diesel Engines  
Arthur W. Schwab and Everett H. Pryde  
U. S. Patent 4,557,734

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The Northern Regional Research Center is part of the Agricultural Research Service of the U.S. Department of Agriculture. Congress in 1938 authorized four regional laboratories to conduct broad and complex investigations in the field of chemistry and related physical sciences to expand and improve the marketability of agricultural commodities. The addresses and commodities covered are:

Laboratory

Principal Fields of Research

Dr. John P. Cherry  
Center Director  
Eastern Regional Research  
Center, ARS-USDA  
600 East Mermaid Lane  
Philadelphia, PA 19118  
Telephone: (215) 247-5800

Animal products: Milk, meats  
animal fats, and hides. Plant  
products: Eastern fruits,  
vegetables, and forages.

Dr. Lambertus H. Princen  
Center Director  
Northern Regional Research  
Center, ARS-USDA  
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Peoria, IL 61604  
Telephone: (309) 685-4011

Corn, wheat, grain sorghum,  
oats, soybeans, and horticultural  
and special crops.

Dr. Ivan W. Kirk, Director  
Southern Regional Research  
Center, ARS-USDA  
1100 Robert E. Lee Boulevard  
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New Orleans, LA 70179  
Telephone: (504) 589-7544

Cotton and cottonseed, rice,  
grain sorghum, peanuts, cane  
sugar, and aquaculture.

Dr. Martin H. Rogoff  
Center Director  
Western Regional Research  
Center, ARS-USDA  
800 Buchanan Street  
Berkeley, CA 94710  
Telephone: (415) 486-3160

Western fruits and vegetables,  
eggs, forage crops, wheat,  
barley, rice, dry beans, and  
peas, and toxicology.

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